

Studies on Oxidation of Cellulose by  
Ceric Salt and Graft Polymerization,  
by Iwao Terasaki, Mitsue Matsuki.  
JAPANESE, per, Sen-i Gakkaishi, Vol 18,  
1962, pp 147-152.  
TC-998

Sci-Chem  
Aug 66

309,207

63-12626

Uda, K.  
VISCOSITY STUDIES OF CELLULOSE ACETATE  
SOLUTIONS. PT. 4: VISCOSITY OF CONCENTRATED  
CELLULOSE TRIACETATE SOLUTIONS. [1962] 8p.  
Order from ATS \$10.50                      ATS-12P66J

Trans. of Sen-i Gakkaishi (Japan) 1962, v. 18, no. 3,  
p. 236-240.

DESCRIPTORS: \*Cellulose acetates, Solutions,  
Viscosity.

(Materials--Plastics, TT, v. 9, no. 7)

- I. Uda, K.
- II. Title: Viscosity . . .
- III. ATS-12P66J
- IV. Associated Technical  
Services, Inc., East  
Orange, N. J.

Office of Technical Services

63-12617

Saito, H., Uda, K., and Abe, H.  
VISCOSITY STUDIES OF CELLULOSE ACETATE  
SOLUTIONS. PT. EFFECT OF SOLVENTS AND THE  
DEGREE OF ACETYLATION ON THE VISCOSITY OF  
CONCENTRATED CELLULOSE ACETATE SOLUTIONS.  
[1962] 6p.  
Order from ATS \$8.00

ATS-13P66J

Trans. of Sen-i Gakkaishi (Japan) 1962, v. 18, no. 3,  
p. 240-242.

DESCRIPTORS: \*Cellulose acetates, Solutions,  
Viscosity, Organic solvents, Acetylation.

(Materials--Plastics, TT, v. 9, no. 7)

- I. Saito, H.
- II. Uda, K.
- III. Abe, H.
- IV. Title: Effect . . .
- V. ATS-13P66J
- VI. Associated Technical  
Services, Inc., East  
Orange, N. J.

Office of Technical Services

63-17165

Katayama, A., Kuroki, N., and Konishi, K.  
EFFECT OF UNIVALENT INORGANIC ANIONS ON  
THE DYEING OF VINYLON. [1963] 8p.  
Order from ATS \$13.75      ATS-34Q68]

Trans. of Sen-i Gakkaishi (Japan) 1962, v. 18, no. 4.  
p. 356-360.

DESCRIPTORS: Inorganic compounds, \*Ions, \*Dyes,  
Fibers (Synthetic), \*Vinyl plastics.

(Materials--Textiles, TT, v. 10, no. 1)

- I. Katayama, A.
- II. Kuroki, N.
- III. Konishi, K.
- IV. ATS-34Q68]
- V. Associated Technical  
Services, Inc.,  
East Orange, N. J.

Office of Technical Services

TT-64-12426

Koshimo, A. and Shimoyama, T.  
A STUDY OF THE MECHANISM OF DYEING NYLON  
6 FIBERS WITH ACID DYES. [Jan 64] 6p  
Order from ATS \$9.75      ATS-94Q73]

Trans. of Semi-I Gakkaishi (Japan) 1963, v. 19,  
p. 369-372.

DESCRIPTORS: Dyes, Acids, \*Fibers (Synthetic),  
\*Nylon, \*Dyeing.

(Materials--Textiles, TT, v. 11, no. 10)

I. Koshimo, A.  
II. Shimoyama, T.  
III. ATS-94Q73]  
IV. Associated Technical  
Services, Inc.,  
East Orange, N. J.

Office of Technical Services

Corrosion of Atmospheric ~~at~~Crude Distillation  
Towers in Oil Refineries in Japan: Rept. From  
Committee on Corrosion Prevention,  
JAPANESE, per, Sekiyu Gakkai Shi, Vol V,  
1962, No 8, pp 578-581.  
ATS 37R76j

Apr 67

322,999

Effect of Univalent Inorganic Anions on the Dyeing  
of Vinyon, by A. Katayama.  
JAPANESE, per, Sen-i Gakkaishi, Vol 18, No 4, 1962,  
pp 356-360.  
ATS-JS-308

June 72

Studies on the Dyeing Properties of Acrylic  
Fibers I. The Effects of Thermal Treatments of  
Acrylic Fibers on the Dyeing Property and  
Uniform Dyeing, by Akira Takaoka, 18pp  
JAPANESE, per, Sen-i Gakkaishi, Vol 18, 1962,  
No 8, pp 741-748  
SIA TT-64-18491

Sci - Mat  
June 67

327,475



v  
Viscoelasticity and Spinnability of High  
Polymers: the Case of Melt Spinning in  
Particular, by K Kanamamru.  
JAPANESE, per, Sen'i Gakkaishi, Vol XIX,  
No 3, 1963, pp 230-242.  
ATS 22R78j

*ATS-JS-310*

Apr 67

323,119

Studies on the Dry Spinning of Acetate Fibres, Pts,  
1 and 2, by T. Kamiya, K. Hirokawa.  
JAPANESE, per, Sen'I Gakkaishi, No 19, 1963,  
pp 64-453 - 464  
GB 121

Sci -  
Aug 67

336,694

Viscoelasticity and Spinnability of High Polymers;  
The Case of Melt Spinning, in Particular, by  
K. Kanamaru.  
JAPANESE, per, Sen-i Gakkaishi, Vol 19, No 3, 1963,  
pp 230-242.  
ATS-JS-310

June 72

An Automatic Vibrascope. Part I. Principle, Design,  
and Operation, by K. Wakayama.  
JAPANESE, per, Sen-i Kikai Gakkai Shi, Vol 17, No 2,  
1964, pp 126-132.  
ATS-JS-306

June 72

A Study of the Mechanism of Dyeing Nylon 6 Fibers  
With Acid Dyes, By A. Koshimo.  
JAPANESE, per, Sen-i Gakkaishi, Vol 19, 1963,  
pp 369-372.  
ATS-JS-309

June 72

Studies on the Thermal Retraction Behavior of  
Heat-treated Polyethylene Terephthalate Fibers.  
Part I. The Temperature Dependence of the Thermal  
Contractions at Equilibrium, by I. Kuriyama,  
T. Kawai.  
JAPANESE, per, Seni-i-Gakkai Shi, Vol 20, No 4,  
1964, pp 215-222.  
NTC 69-11459-11E

Sci-Mat  
July 69

387,129

Vapour Phase Grafting of Vinyl Monomers  
onto Rayon by Cerium Initiator,  
by Kimihiro Suzuki, Iichiro Kido.  
JAPANESE, per, Sen i Gakkaishi, Vol 20,  
No 5, 1964, pp 311-318.  
TC-999

Sci-Chem  
Jul 66

307,624

Studies on the Thermal Retraction Behavior of  
Heat-treated Polyethylene Terephthalate Fibers.  
Part II. Longitudinal Changes During the Sub-  
sequent Heating Process, by I. Kuriyama,  
K. Shirakashi,  
JAPANESE, per, Seni-i-Gakkai Shi, Vol 20, No 6,  
1964, pp 347-355.  
NTC 69-11458-11E

Sci-Mat



Spectroscopic Studies on Interaction Between  
Direct Dyes and Nonionic Surfactants,  
JAPANESE, per, Sen-i Gakkaishi, Vol XX,  
No 10, 1964, pp 662-665.  
ATS JS-102

sci-methods \* Equip  
Apr 67

324,801

Studies on the Thermal Properties of Hot Drawn  
P.E.T. Fibers. Report No. VII. Load Dependence  
on Dimensional Change in Successive Heating and  
Cooling Processes Under Constant Rate, by  
I. Kuriyama  
JAPANESE, per, Sen-i Gakkaishi, Vol 20, No 11,  
1964, pp 695-704  
NTC 71-16831-11E

Feb 72

Effects of Swelling Agent on the Thermal  
Properties of Warm-Drawn P.E.T. Fiber.  
Part 1. Dependence on the Concentration  
of the Swelling Agent, for Dimensional  
Changes at a Constant Temperature, by  
I. Kuriyama.  
JAPANESE, per, Sen-i-Gakkaishi, Vol 20,  
1964, pp 705-710.  
NTC 72-10385-11E

Apr 72

Agency: Picatinny Arsenal  
Req. 39-700

R-10090-D  
2 Oct. 69

Title: Studies on Vat Dyeing. pp. 778 - 783. 6pp

Source: SEN-I Gakkaishi. Vol. 20, No. 12 (1964).

Language: Japanese.

Special instructions: Please translate & type 1 copy only.

Author: Sekido, MINORU Minoru and Ken-ichi Matsui.

62-20094

Tada, Yoshitero.  
CREMONA "MANRYO" VINYLON FISH NETS AND  
ROPES. [1962] [17]p.  
Order from SLA \$1.60

62-20094

Trans. of Sen-i Kai [sic] 1957, v. 16, no. 174,  
p. 64-68.

DESCRIPTORS: \*Fibers (Synthetic), \*Vinyl plastics,  
Fishes, \*Nets, Cordage, Mechanical properties.

Cremona "Manryo" and Cremona "Manryo No. 5"  
which are Vinylon products, and fishing nets and ropes  
prepared from them are discussed briefly, their  
properties and uses are described. It may be pre-  
dicted that cotton and Manila hemp will be completely  
replaced by the synthetic fibers in the future, and that  
cotton and hemp will no longer be used in the fishing  
industry. This use of synthetic fibers is advantageous.  
(Materials--Textiles, TT, v. 10, no. 2) (over)

I. Tada, Y.

Office of Technical Services

Studies on Crepe Yarn. I. Structure of Single  
Filaments in Twisted Multifilament Yarn, by  
S. Makiage.

JAPANESE, per, Sen i Kikai Gakkaishi, Vol 11,  
1958, pp 317-321.

NIL 5828.4E (5940)

Sci-Int

Jul 68

361,662

Stuffer-Box Crimping of Slivers, by K. Sasaki.

JAPANESE, per, Sen-i (Kikai) Gakkai Shi, Vol XIV,  
No 149, 1961, pp 61-66.

GB/256/T.1507

Sci-Misc

Aug 63

342,030

NCH-202 498

Field 11E, 131

Knoxi, A.  
THEORETICAL STUDY OF SPINNERET HOLE ARRANGEMENTS. 1965, 12p. TC-1144.  
Order from TC: \$10.00 as TC-1144

I. Trans-Chem  
Knoxville, Tenn.

Trans. of Sen'i Kikai Gakkaishi (Japan) v14 p518-24 1961.



Zyo, Y[oshio] and Murase, R[yuichi].  
SPINNING OF ACETATE FIBERS WITH TETRAMETHYLENE BIS(ETHYLENE UREA ADDED. Pt. 7 on Study of Bridge-Forming Reaction of Cellulose Fibers. [1961] [23]p. 3 refs.  
Order from SLA \$2.60

61-16778

Trans. of San'i Kogyo Shikensho Iho (Japan) 1958, no. 45, p. 87-98.

DESCRIPTORS: \*Cellulose acetates, Synthetic fibers, Chemical bonds, Processing, Urea derivatives, Chemical reactions.

For the purpose of obtaining acetate fibers containing uniform bridge bonds, a bridge-forming agent was added to the spinning bath and spinning experiments were conducted. Some tests were also made on the changes in the form of the fibers produced in the spinning process and into some physical properties of the fibers obtained. Tetramethylene bis(ethylene urea was added, as bridge-  
(Materials--Textiles, TT, v. 6, pp. 5) (over)

61-16778

- I. Title: Spinning
- I. Zyo, Y.
- II. Murase, R.
- III. Title: Study...

180610

Office of Technical Services

Zyo, Yoshio and Murase, Ryotchi.  
 SPINNING OF ACETATE FIBERS WITH THIONO-  
 PHOSPHORIC TRIETHYLENE IMIDE ADDITIVE.  
 Pt. 8 on Study of Bridge-Forming Reaction of Cellulose  
 Fibers. [1961] [13]p. 2 refs.  
 Order from SLA \$1.60

61-16777

Trans. of Sen'i Kogyo Shikensho Iho (Japan) 1958,  
 no. 45, p. 99-105.

DESCRIPTORS: \*Cellulose acetates, Synthetic fibers,  
 Processing, Chemical bonds, Physical properties,  
 Imides, Chemical reactions.

By adding to the spinning bath for cellulose acetate the  
 acetone-soluble ethylene imine derivative, thionophos-  
 phoric triethylene imide, as bridge-forming agent,  
 spinning, and then heat treating, a uniform bridge-for-  
 mation among the molecules was attained. The fiber  
 showed an increase of about 50% in strength. The  
 strength-elongation curve and the elasticity properties

(Materials--Textiles, TT, v. 6, no. 5) (over)

61-16777

I. Title: Spinning  
 I. Zyo, Y.  
 II. Murase, R.  
 III. Title: Study ...

180609

Office of Technical Services

Hasegawa, Masaki.

SYNTHESIS OF HIGH POLYMERIC SUBSTANCE FROM  
LIGNIN. [1962] 9p. 5 refs.  
Order from SLA \$1.10

63-10683

Trans. of [Sen'i Kogyo Shikensho Iho] (Japan) 1959,  
no. 48, p. 1-6.

DESCRIPTORS: \*Lignin, Wood, Wood pulp, \*Polymer,  
Synthetic, \*Amides, Chemical reactions.

The purpose of the present study lies in the synthesis of  
bifunctional compounds from vanillin or vanillic acid  
and epichlorohydrin and the synthesis of high polymeric  
substances from the said compounds as a phase of the  
research into the utilization of vanillin which is  
obtained in large quantities from the pulp waste liquor.  
From the reaction, several kinds of new compounds  
which can be utilized for high polymeric substances  
(Chemistry--Organic, TT, v. 10, no. 3) (over)

63-10683

1. Hasegawa, M.

Office of Technical Services

62-10718

Kanetsuna, Hisaaki.  
ON THE METHOD FOR MEASURING THE AMOUNT  
OF PHENOL ABSORPTION OF 6 NYLON. Rept. no. 1  
[Pt. 9 of the Studies on the Fine Structure of 6 Nylon by  
Phenol Absorption. [1961] 8p. (2 figs. 1 table omitted)  
4 refs.  
Order from SLA \$1.10

62-10718

Trans. of [Sen'i Kogyo Shikensho Ibo] (Japan) 1959,  
no. 49, p. 65-68.

DESCRIPTORS: Synthetic fibers, \*Nylon, \*Phenols,  
Absorption.

(Materials--Textiles, TT, v. 7, no. 9)

I. Kanetsuna, H.  
II. Title: Studies ...



Office of Technical Services

62-10716

Kanetsuna, Hisaaki.  
ON THE SWELLING OF 6 NYLON IN AQUEOUS  
PHENOL SOLUTION AND THE BEHAVIOR OF PHE-  
NOL ABSORPTION. Rept. no. 2 [Pt. 9]. of the Studies  
on the Fine Structure of 6 Nylon by Phenol Absorption.  
[1961] 14p. (6 figs. omitted) 5 refs.  
Order from SLA \$1.60

62-10716

Trans. of [Sen'i Kogyo Shikensho Iho] (Japan) [1959]  
no. 49, p. 69-76.

DESCRIPTORS: \*Synthetic fibers, \*Nylon, Physical  
properties, Crystallization, \*Phenols, Absorption.

Tests showed that most of the increase in the amount  
of the fiber swelling which takes place in an aqueous  
solution of phenol is due to the absorption of phenol.  
The amount of water which is absorbed is extremely  
small. The absorption heat of phenol on the 6-nylon  
(Materials--Textiles, TT, v. 9, no. 6) (over)

I. Kanetsuna, H.  
II. Title: Studies ...

Office of Technical Services

Kanetsuna, Hisaaki.  
ON THE METHOD FOR ESTIMATING THE LATERAL  
ORDER DISTRIBUTION IN 6 NYLON FIBERS BY THE  
ABSORPTION OF PHENOL. Rept. no. 3 [Pt. ] 9 of the  
Studies on the Fine Structure of 6 Nylon by Phenol Ab-  
sorption. [1961] 10p. (3 figs. omitted) 5 refs.  
Order from SLA \$1.10 62-10717

Trans. of [Sen'i Kogyo Shikensho Iho] (Japan) [1959]  
no. 49, p. 77-82.

DESCRIPTORS: Synthetic fibers, \*Nylon, \*Phenols,  
Absorption.

(Materials--Textiles, TT, v. 7, no. 9)

62-10717

I. Kanetsuna, H.  
II. Title: Studies ...



Office of Technical Services

Ohira, M., Kitajima, P., and Iino, H.  
STRESS RELAXATION. Pt. 2 of Viscoelastic Behavior  
of High Polymer Solids (Especially of Fibers). [1960]  
11p.  
Order from ATS \$17.10      ATS-14M46J

Trans. of [Sen'i. Kogyo Shikensha Iho] (Japan) 1960,  
no. 52, p. 29-37.

147,051

61-12381

1. Polymers--Stresses
2. Fibers--Stresses
3. Polymer--Mechanical  
properties
- I. Ohira, M.
- II. Kitajima, P.
- III. Iino, H.
- IV. Title: Viscoelastic...
- V. ATS-14M46J
- VI. Associated Technical  
Services, Inc., East  
Orange, N. J.

Office of Technical Services

(Materials--Textiles; TT, v. 5, no. 5)

Okada, A., Ishizuka, O. and others.  
STUDIES ON THE POLYAZINE-FIBERS, THE NEW  
POLYAMIDE-FIBERS WITH PYRIDINE RINGS IN THE  
MAIN CHAIN. VII. PROPERTIES OF THE POLYMER  
AND FIBERS. [1962] 12p. (11 figs. 10 tables omitted).  
Order from SLA \$1.60 62-14020

Trans. of Sen'i Kogyo Shikensho Iho (Japan) 1960, no. 53,  
p. 18.

DESCRIPTORS: \*Polymers, \*Fibers, Molecular  
structure, \*Synthetic fibers, \*Pyridines, \*Triazines,  
\*Amides, Mechanical properties, Elasticity, Tensile  
properties, Stability, Heat of fusion, Solubility,  
Viscosity, Density Temperature.

(Materials--Textiles, TT, v. 9, no. 4)

62-14020

- I. Title: Copolymers
- I. Okada, A.
- II. Ishizuka, O.
- III. Title: Properties. . .

Office of Technical Services



Ohira, M., Kitajima, F., and Iino, H.  
EFFECT OF CHEMICAL TREATMENT ON THE  
INTERNAL STRUCTURE. Pt. 3 of Viscoelastic Be-  
havior of High Polymer Solids (Especially of Fibers).  
[1960] 10p.

Order from ATS \$11.85

ATS-15M46J

Trans. of [Sen'i Kogyo Shikensho Iho] (Japan) 1960,  
no. 53, p. 9-16.

147,052

(Materials--Textiles, TT, v. 5, no. 5)

61-12382

1. Fibers--Mechanical properties
2. Polymers--Mechanical properties
- I. Ohira, M.
- II. Kitajima, F.
- III. Iino, H.
- IV. Title: Viscoelastic...
- V. ATS-15M46J
- VI. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

Ogihara, T. and Yurugi, T.  
STUDIES ON FINE STRUCTURE OF POLYAMIDE  
FIBERS. [1961] 3p.  
Order from ATS \$8.00

ATS-07N55J

Trans. of Sen'i Kogyo Shikensho [Iho] (Japan) 1960,  
no. 54, p. 1-4.

DESCRIPTORS: \*Polymers, \*Amides, \*Synthetic  
fibers, Fibers.

(Materials--Textiles, TT, v. 6, no. 12)

61-25629

- I. Ogihara, T.
- II. Yurugi, T.
- III. ATS-07N55J
- IV. Associated Technical  
Services, Inc.,  
East Orange, N. J.

ATS-JJ-3071

Office of Technical Services

The Sensory Test of Fabrics. Part II. Relation  
Between Subjective and Objective Measurements for  
Fabric Firmness, by S. Kobayashi.  
JAPANESE, per, Sen-i Kogyo Shikenjo Kenkyu Hokoku,  
No 67, 1964, 43-53.  
NTC-71-10112-11E

Nov 71

Psychology on the Front, 69 pp. UNCLASSIFIED

JAPANESE, pamphlet, Senjo Shinrigaku, 1930.

500th MI Gp Tr 96480

Ext  
FE - Japan  
M11

59,324

Mar 58

Tamura, Takashi

1961

Prawn (Penaeus japonicus) culture  
Senkai Zoshokugaku Suisangaku Zenshu (Shallow Water  
Aquaculture), series 2: 130-135. In Japanese.

Transl. by JPRS for BCP, Oct. 1970, 12p., typescript.

Avail. on Loan - BCP, Wash., D.C.

Original Article Checked *MR*

Transonic Wind Tunnel. UNCLASSIFIED

Full tr

JAPANESE, bk, Senonsoku Fudo no Gaiyo, Apr 1957,  
publ by Japan Aeronautical Laboratory.

6000th AIBS  
Tr 8-3B 030

Sci - Aero  
Mar 58

60,701

Report of the Investigating Commission Concerning Food  
Provisions in Combat, 46 pp.  
JAPANESE, rpt, Sento Ryoshoko Nikan Suru Itaku  
Kenkyu Hohokku-sho, 1962.  
ACSI I-4200  
ID 2204005164

FE - Japan  
Mil  
Jan 65

270,810

Back, Front, Ring Type Crute.

JAPANESE, pamphlet, Seoigata Maekakegata Oyobi  
Tosage Gata Rakusan no Daini 11 Gijutenteki  
Shiken, publ by Technical Research Institute,  
Rpt No 580, 30 May 1957, 20 pp. (EDC Unknown)

6004th AIBB

Tr 8-3B 279

Sci - Engr

56,569

Dec 57



Properties of Snow and Its Density, by Teshio Oda,  
Kiyoshi Kudo, 21 pp.

JAPANESE, per, Seppyo, Vol III, 1941, pp 109-221.

S.L.A. No 374/1956

Scientific - Geophysics

34, 286

Settling of Snow and Bending of Iron Bars in Snow  
Cover, by T. Hirata, 11 pp.

JAPANESE, per, Seppyo, Vol III, 1941, pp 225-236.

S.L.A. Tr 1954

Sci - Geophysics  
Jun 57

48, 791

Hardness Test of Snow, by T. Takahashi, K. Kudo,  
8 pp.

JAPANESE, per, Seppyo, Vol III, 1941, pp 264-  
270.

SIA Tr 2449

Sci -

50, 575

Aug 57

On the Melting of Snow, by Setsuo Tajima,  
Yoshio Mimuro, 4 pp. UNCLASSIFIED

JAPANESE, per, Sanyo, Vol III, 1941,  
pp 260-263. CIA D 212859

OCE Tr 39

FE - Japan  
Sci - Geophysics

CTS 68/May 55

24,059

Studies on the Reflection of Light From the Snow Surface,  
by Taro Suga, 6 pp.

JAPANESE, per, Seppyo, Vol III, 1941, pp 291-294.

S.L.A. Tr 539/56

Sci - Geophysics

Aug 1956

37,134

R-6892-ny/1  
6 April 66

**Preliminary Report of the Model Experiment of Heat  
Avalanches**

**By: Hanzo Kurata**

**From: Geogyo 31295-306, 1961**

**( 8 pp )**

**Japanese - cut for use:**

**Type 1 original copy only. Document may be cut.**

Angle of Kinetic Friction of Snow, by Y. Inaba,  
5 pp.

JAPANESE, per, Seppyo, Vol III, 1941, pp 303-307.

S.I.A. Tr 1951

Sci - Geophysics  
Jun 57

48, 792

*Y. Inaba*  
*Angle of Kinetic Friction of Snow*

Freezing of the Sunghai River, Manchuria, by  
Masatsugu Murakami, 12 pp. UNCLASSIFIED

(file)

JAPANESE, per, Seppyo, Vol III, 1941,  
pp 333-342. CIA D 285563

OCE Tr 34

Scientific - Geophysics  
CTB 72/Sep 1955

26,818



On the Hardness of Snow, by Yoshinobu Inaho,  
6 pp. UNCLASSIFIED

JAPANESE, par, Seppyo, Vol III, 1941, pp 343-349.  
CIA D 212860

OCE Tr 33

FE - Japan  
Physics

S.H.A. 1001  
JTB 68/May 55  
24048

Studies on Snow Cover, by Toshio Takahashi, 10 pp.

JAPANESE, per, Seppyo, Vol III, 1941, pp 414-418.

S.L.A. Tr 707/1955

Sci - Geophysics  
Apr 1957 CTS/dex

50, 311

Electrical Resistance of Snow, by H. Shimada,  
5 pp.

JAPANESE, per, Seppyo, Vol III, 1941, pp 503-  
506.

SLA Tr 57-727

Sci -Electricity

Aug 57

50,579

Resistance of Snow to a Sledge, by Masao Kuroda,  
7 pp.

JAPANESE, par, Seppyo, Vol IV, No 8, 1942, pp 229-234.

B.L.A. 1029

Scientific - Engineering, geophysics

33,500

Compaction of Snow by Static and Kinetic Loads,  
by Makoto Nagasawa, 8 pp.

JAPANESE, per, Seppyo, Vol V, 1943, pp 249-256.  
CIA D 301883

OCE Tr 35

Scientific - Geophysics  
Engineering

31,169  
Feb 56 CTB/DEX

Measurement of the Thermal Conductivity of Snow  
Cover, by Z.Yosida, H. Iwai, 9 pp.

~~HADAMSESE~~

JAPANESE, per, Seppyo, Vol VIII, 1946, pp 48-53.

SIA Tr 57-726

Sci -

50,573

Aug 57

Inouye, Rikita and Anzai, Masanao.  
SNOW GAUGE OF HIGH CATCHING RATE, tr. by  
E. R. Hope. May 63 [8]p. 3 refs. DSIS T 69 J.  
Order from NRCC NRCC C-4389

Trans. of Seppyo (Japan) 1959, v. 21, no. 6,  
p. 178-181.

DESCRIPTORS: \*Snow, \*Meters, \*Meteorological  
Instruments, Effectiveness, Design, Measurement,  
Tests, Meteorology

(Earth Sciences--Frost, TT, v. 10, no. 3)

63-17542

- I. Inouye, R.
- II. Anzai, M.
- III. DSIS-T-69-J
- IV. NRCC C-4389
- V. Directorate of Scientific  
Information Services  
(Canada)

*ALL Ref: 5825 1963 (H 317)*

Office of Technical Services

Test Report on Development of Noctovision Type I  
Sight. UNCLASSIFIED

JAPANESE, pamphlet, Shageki Shojungu (Anshi Sochi  
I Gata) no Shisaku Kenkyu, 30 Mar 1957, 21 pp.

500th MI Gp Tr 964221

Sci - Phys

Feb 58

58,358



(NY-4806)

Cybernetics and New Technological Ideology,  
EN by Motonori Sugita, 65 pp. OFFICIAL USE ONLY

JAPANESE, per, Shakaigaku Kenkyu, No 2, 1959,  
pp 101-144.

JPRS 7191

FE - Japan  
Pol  
Jan 61

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136,152

(NY-HF06 ).

Cybernetics and New Technological Ideology, by  
Sugita Motonori,

JAPANESE, bk, Shakaigaku Kenkyo, No 2, 1959, pp 101-144.

\*JPRS

FE-Japan

Sociological

19 Aug 60

CONCERNING SOCIALISM IN JAPAN, BY SABURO EDA,  
17 PP.

JAPANESE, PER, SHAKAI SHIMPO, 28 OCT 1962, P 3.

JPRS 16660

FE - JAPAN  
POL, ECON  
DEC 62

218,293

(NY-6793)

Railroad Sand Protection in Desert and Semi-desert Areas, by M. P. Petlov, 14 pp.

CHINESE, monograph, Sha-mo Ti-ch'u  
Ch'u-lu Ching-yen, Feb 1961, pp -154.

JPRS 11770

Asia - China  
Econ  
Jan 62

178,124

(IX-6793)

Design and Construction of Desert Roadbed  
of the Kan-Wu Railroad, 41 pp.

CHINESE, monograph, Sha-mo Ti-ch'u  
Ch'u-lu Ching-yen, Feb 1961.

JPRS 11770

Asia - China  
Econ  
Jan 62

178, 132

(NY-6793)

Studies on Roadbed Construction, Sand-  
Settling and Afforestation in the Desert  
Region of Pao-Lan Railroad, 61 pp.

CHINESE, monograph, Sha-mo Ti-ch'u  
Ch'u-lu Ching-yan, Feb 1961.

JPRS 11770

Asia - China  
Econ  
Jan 62

178, 119

(NY-6793)

Studies on Ching-Ho Desert Roadbed of  
the Lan-Hsin Railway, 24 pp.

CHINESE, monograph, Sha-mo Ti'ch'u  
Ch'u-lu Ching-yen, Feb 1961.

JPRS 11770

Asia - China  
Econ  
Jan 62

178,120

(NY-6793)

Several Problems of a Desert Railroad, by  
Lin Shih-Mpo, 7 pp.

CHINESE, monograph, Sha-mo Ti-ch'u Ch'u-lu.  
Ching-yan, Feb 1961, pp 1-.

JPRS 11770

Asia - China  
Econ  
Jan 62

178, 121



(NY-6793)

Sand Protection Experiences of Soviet  
Union's Ashkhabad Railroad, by  
D. K I. Pisseuvelanitse, 20 pp.

CHINESE, monograph, Sha-mo Ti-gh'u  
Ch'u-lu Ching-yen, Feb 1961.

JPRS 11770

Asia - China  
Econ  
Jan 62

178,123

A REPORT ON THE COORDINATED RESEARCH ON THE DESERT  
REGION, 351 PP.

CHINESE, RPT, SHA-MO XX TI-CH'U TI TSUNG-HO  
T'IAO-CH'IA YEN-CH'U PAO-KAO, PEIPING, NO. 1, 1958,  
PP 1-108.

JPRS 186<sup>5</sup>08

FE - CHINA  
GEOG  
APR 63

227,416

A REPORT ON THE COORDINATED RESEARCH ON THE  
DESERT REGIONS, BY M. P. PETROV, 222 PP.

CHINESE, REPORT, ~~SHA-MO TI-CHU TI TSUNG-HO~~  
~~T'IAO-CH'IA YEN-CHIU PAO-KAO,~~ PEIPING, 1958,  
PP 1-82.

*No 2,*

JPRS 18178

FE - CHINA  
GEOG  
MAR 63

225,058

My Opinions on the Elimination of End Oscillations  
of Arc-Shaped Rollers in a Double-row, Spherical,  
Centripetal, Roller Bearing, by Hsi-jen Kuo. 8 pp  
CHINESE, per, Shang Hai Chi Hsien, No 6, 1962,  
pp 16-17.  
AIR/PTD/HP-23-1301-68

sci/mechan engr  
mar 70

404,396

Newly Promulgated Standards of First Ministry  
of Machine Building. 12 pp.

CHINESE, per. Shang-hai Chi-hsieh, Nos. 10-  
1962, 6 - 1963, 7 - 1963, and 8 - 1963, pages  
45, inside back cover, inside back cover, and  
43, respectively.

JPRS 42034

FI-China  
Sci-Mech  
Aug 67

377,760

Product Standards of the Shanghai Municipal Bureau of Machine and Electrical Industries, 14 pp. CHINESE, per Shang-hai Chi-hsieh, No. 10-1962, p. 41; No. 3-1963, p. 1; No. 4-1963, p. 43; No. 5-1963, p. 1; No. 3-1964, p. 1; No. 4-1964, p. 1; No. 5-1964, p. 1.  
JPRS 41734

FE-China  
Econ  
Aug 67

333,298

Design Problems of Diesel Engine Joint Connecting  
Rods, by Le Fo-Chung.

CHINESE, per, Shang Hai Chi Hsieh, No 10,  
1962, pp 1-4.

\*ACSI-J-7440

\*FSTC-HT-23-183-70

Sci-Mech  
Oct 69

TALK ABOUT FARM WELDERS, BY CHOU MIN-HUI, 5 PP.

CHINESE, PER, SHANGHAI CHI-HSIEH, NO 3, 25 MAR 1963,  
PP 10-12.

JPRS 21440

FE-CHINA  
ECON  
OCT 63

346,517



Vibration Finishing of Edges of Punched Parts,  
by Yeh K'o-wu, Li Chin'chih, 19 pp.  
CHINESE, per, Shang hai Ch hsieh, No 4, 25 Apr  
1963, pp 4-9.  
JPRS 24468

Sci - Eng  
May 64

257, 614

S-333/64

Vibration Finishing of Edges of Punched Parts, by  
Yeh K'o-wu, Ying Hung-liang. (SF-3084)  
CHINESE, per, Shang-ahi Chih-hsieh, No 4, 1963,  
pp 4-9.

\*JPRS

Sci - Engr  
Mar 64

Group Processing, by Ts'ai Chien-kuo, 14 pp.  
CHINESE, per, Shang-hai Ch-hsieh, No 9, 1963, pp 1-5.

JPRS 23378

FE-China  
Econ  
Mar 64

251, 547

The Application of Iron, Chromium and Aluminum Electrothermal Alloy, by Chu Pin, 11 pp.  
CHINESE, per, Shang-hai Ch-hsieh, No 9, 1963, pp 22-25.

JPRS 23378

FE-~~E~~China  
Econ  
Mar 64

251, 548

Experiments to Improve the Glossiness of Chrome Plated Parts  
and to Ensure the Quality of Plating, by Shen Shaolhsiang,  
5 pp.

CHINESE, per, Shang-hai Chi-hsieh, No 9, 1963, pp 29, 30.

JPRS 23378

FE-China

Econ

Mar 64

251, 849

Summation of Heng-Mo Wheel Test, by Tsou Chi-hsu, 9 pp.  
CHINESE, par, Shang-hai Chi-hsieh, No 10, 1963, pp 12-15.

JPRS 323378

FE-China  
Econ  
Mar 64

251, 551

Several Examples of Cold Rolling Precision Adjustment  
Technology, by Ch'en P'ei-yu, 5 pp.  
CHINESE, per, Shang-hai Ch-hsieh, No 10, 1963, pp 15, 16.

JPRS 23378

FE-China  
econ  
Mar 64

251, 550

The Application of Plastics in the Repair of the Guide Rail  
of Machine Tool, by Hsieh K'ui, 10 pp.  
CHINESE, per, Shang-hai Ch-hsieh, No 10, 1963, pp 19-21.

JPRS 23378

FE-China  
Econ  
Mar 64

251, 552



A Short Review of the General Aspects of  
Metallurgical Heat Treatment of Prospects  
for the Future, by Chou Chih-hung, 15 pp.  
CHINESE, per, Shanghai Chi-chieh, No 3, 1964,  
pp 1-6.  
JPRS 25901

FE-China  
Econ  
Aug 64

265,4763

Problems Related to the Development and Improvement  
of Heat Treatment Furnaces, by Ch'iu Chi, 11 pp.  
CHINESE, per, Shanghai Chi-chieh, No 3, 1964,  
pp 7-10.  
JPRS 25901

FE-China  
Econ  
Aug 64

265,764

Manufacture of BrAZhN 10-4-4 Bronz Cast  
Parts, by Chu San-ta, 10 pp.  
CHINESE, per, Shanghai Chihsteh, No 3,  
1964, pp 13-16.  
JPRS 26322

Sci - M& M  
Sep 64

266,221

Manufacture and Application of Lithium-Calcium  
Soap Base Lubricating Grease for Ball Bearings,  
by Hsing-sheng Wu, Pu-chou Huang, 5 pp.  
CHINESE, per, Shang Hai Chi Hsieh, No 4, 1964,  
AIR/FTD/HT-23-529-69

Sci/Material  
May 70

Finishing of Crankshafts for Nitrogen-Hydrogen  
Compressors by Cold Rolling, by Shen Ch'i-lin  
(3008 0366 2651), 6 pp.

CHINESE, per, Shanghai Chi-hsieh, No 7, 25  
Jul 1964, pp. 10-11.

JPRS 31102

FE-China  
Econ  
Aug 65

284,036

Designing of Hot Extrusion Tools for Manufacturing Steel Machine Parts, by Chou Yun-chiang (0719 0337 1641), 11 pp.  
CHINESE, per, Shanghai Chi-hsieh, No 7, 25  
Jul 1964, pp. 12-14.  
JPRS 31102

FE-China  
Econ  
Aug 65

284,037

Chemical Nickel Plating, by Chou Jung-  
t'ing (0719 2837 1656), 9 pp.  
CHINESE, per, Shang-hai Chi-hsieh, No 7,  
25 Jul 1964, pp. 29-31.  
JPRS 33566

\*  
FB-China  
Sci-Chem  
Jan 66

293,833

Electrolyte Usee in Electrochemical Processing,  
by Kuei-meng P'an, Hsi-wen P'ei 6 pp.  
CHINESE, per, Shang Hai Chi Hsueh, No 8, 1964,  
pp 29-30.  
AIR/FTD-HT-23-531-69

sci./mechan engr  
may 70



VI 10 20/54

7-7-54, pp 8-8.

FE-China  
Econ  
Mar 65

275,721

Some Suggestions For the Finishing of  
Precision Small Modulus Cylindrical Gear,  
by Kao Chung-hua (7559 1813 5478), 15 pp.  
CHINESE, per, Shang-hai Chi-hsieh, No  
9-1964, 25 Sep 1964, pp 15-18.  
JPRS 28817

Sci-Engr  
Mar 65

275,843

JPRS 28754

FE-China  
Econ-sci-Engr  
Mar 65

275,722

Production and Application of Powder Metallurgy  
Machine Parts in China, by Chung Wen-chih, 14 pp  
CHINESE, per, Shang-hai Chi-hsieh, No 9, 1964,  
25 Sept 64, pp 24-28.  
JPRS 29564

Asia-China  
Sci-Mat/Met  
Apr 65

277,766

Techniques in Experimental Manufacturing of Carbon  
Dioxide Compressors, 19 pp  
CHINESE, per, Shanghai Chi-haiet, No 10, 25 Oct 64,  
pp 6-9.  
JPRS 29605

Asia-China  
Sci-Engr.  
Apr 65

279,047

PP 10-12  
JPRS 28796

Fe-China  
Sci-Engr  
Mar 65

275,694

Fe-China  
Sci-M/M  
Mar 65

275,696

Fe-China  
Sci-M/M  
Mar 65

275,695